

Appl. No. 10/549,576
Amdt. dated January 19, 2010
Reply to Final Office action of October 16, 2009

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-21. **(Canceled)**

22. **(Currently amended)** A pressure limiting valve (10), consisting of
a single piece valve holder (1),
a single piece valve insert (2) connected to the valve holder (1),
a single piece valve piston (3) supported slidably in the valve insert (2),
a compression spring, acting upon the valve piston (3) with a pressure force acting in
the closing direction, and
a single piece adjusting shim (4) disposed between the valve piston (3) and the
compression spring (5) such that the compression spring (5) is braced on one end on a bottom
piece of the valve holder (1) and on the other on a face of the adjusting shim (4) facing away
from the valve piston (3), wherein the valve holder (1) is cup-shaped and has at least two
subregions (1a, 1b), each with a different inside diameter (D1, D2), and the subregions (1a, 1b)
merge with one another in steplike fashion, and wherein the steplike transition of the valve
holder (1) formed by the different diameter regions (diameters D1, D2) is seated on the valve
insert (2), **wherein the valve piston (3) has an end surface and a outer cylindrical**

Appl. No. 10/549,576
Amdt. dated January 19, 2010
Reply to Final Office action of October 16, 2009

circumferential surface, and at least one flat place (3a, 3a.1, 3a.2, 3a.3) is provided on the outer cylindrical circumferential surface of the valve piston (3) .

23. **(Previously presented)** The pressure limiting valve of claim 31, wherein the valve insert (2) has a cup-shaped recess (2a), in which the adjusting shim (4) is slidably supported

Claim 24. **(Canceled)**

25. **(Currently amended)** The pressure limiting valve of claim 31, -claim 36, wherein the first subregion (1a) of the valve holder (1) having the lesser inside diameter (D1) serves to receive the compression spring (5); and that the second subregion (1b) having the greater inside diameter (D2) embraces the valve insert (2) from outside.

26. **(Currently amended)** The pressure limiting valve of claim 31, -claim 36, wherein the valve holder (1) and the valve insert (2) are calked to one another.

27. **(Currently amended)** The pressure limiting valve of claim 31, -claim 36, wherein the valve holder (1) and the valve insert (2) are screwed together.

Claim 28. **(Canceled)**

29. **(Currently amended)** The pressure limiting valve of claim 31, ~~claim 36~~, wherein the valve piston (3) has an end surface and a outer cylindrical circumferential surface, and at least one flat place (3a, 3a.1, 3a.2, 3a.3) is provided on the outer cylindrical circumferential surface of the valve piston (3).

30. **(Currently amended)** The pressure limiting valve of claim 31, ~~claim 36~~, wherein three flat places (3a, 3a.1, 3a.2, 3a.3) are provided on the outer circumference of the valve piston (3), which flat places are distributed uniformly over the circumference of the valve piston (3).

31. **(Previously presented)** A pressure limiting valve (10), consisting of
a single piece valve holder (1),
a single piece valve insert (2) connected to the valve holder (1),
a single piece valve piston (3) supported slidably in the valve insert (2),
a compression spring, acting upon the valve piston (3) with a pressure force acting in the closing direction, and
a single piece adjusting shim (4) disposed between the valve piston (3) and the compression spring (5) such that the compression spring (5) is braced on one end on a bottom piece of the valve holder (1) and on the other on a face of the adjusting shim (4) facing away from the valve piston (3), wherein the valve holder (1) is cup-shaped and has at least two subregions (1a, 1b), each with a different inside diameter (D1, D2), and the subregions (1a, 1b) merge with one another in steplike fashion, and wherein the steplike transition of the valve

Appl. No. 10/549,576
Amdt. dated January 19, 2010
Reply to Final Office action of October 16, 2009

holder (1) formed by the different diameter regions (diameters D1, D2) is seated on the valve insert (2), wherein three flat places (3a, 3a.1, 3a.2, 3a.3) are provided on the outer circumference of the valve piston (3), which flat places are distributed uniformly over the circumference of the valve piston (3), and wherein the flat places (3a) are disposed on the valve piston (3) such that they extend parallel to the longitudinal axis of the valve piston (3).

32. **(Previously presented)** The pressure limiting valve of claim 30, wherein the flat places (3a, 3a.1, 3a.2, 3a.3) are oriented at an angle relative to the longitudinal axis of the valve piston (3).

33. **(Currently amended)** The pressure limiting valve of claim 31, ~~claim 36~~, wherein the adjusting shim (4) has a fluid-passable recess (4a).

34. **(Previously presented)** The pressure limiting valve of claim 33, wherein the recess (4a) is disposed eccentrically.

35. **(Currently amended)** The pressure limiting valve of claim 31, ~~claim 36~~, further comprising an outflow conduit (1c) in the valve holder (1).

Claim 36. **(Canceled)**

37. **(Previously presented)** The pressure limiting valve of claim 35, wherein the axis (A) of the outflow opening is positioned at an angle relative to the longitudinal axis (A1) of the valve holder (1).

38. **(Previously presented)** The pressure limiting valve of claim 35, wherein an outflow conduit (1c) is provided in the valve insert (2).

39. **(Currently amended)** The pressure limiting valve of claim 31, ~~claim 36~~, wherein the valve piston (3) includes a piston rod (3b), which protrudes into the cup-shaped recess (partial chamber 1a) of the valve holder (1).

40. **(Currently amended)** The pressure limiting valve of claim 31, ~~claim 36~~, wherein the compression spring (5) is embodied as a conical spring.

41. **(Previously presented)** The pressure limiting valve of claim 39, wherein the compression spring (5) concentrically surrounds the piston rod (3b) of the valve piston (3).

42. **(Previously presented)** The pressure limiting valve of claim 39, wherein the adjusting shim (4) is slipped onto the piston rod (3b) of the valve piston (3) and rests there on a steplike seat.

43. **(Currently amended)** The pressure limiting valve of claim 31, ~~claim 36~~, wherein the valve holder has an axis and the bore is oriented at an oblique angle with respect to the axis of the valve holder.

44. **(New)** A pressure limiting valve (10), consisting of
a single piece valve holder (1),
a single piece valve insert (2) connected to the valve holder (1),
a single piece valve piston (3) supported slidably in the valve insert (2),
a compression spring, acting upon the valve piston (3) with a pressure force acting in the closing direction, and
a single piece adjusting shim (4) disposed between the valve piston (3) and the compression spring (5) such that the compression spring (5) is braced on one end on a bottom piece of the valve holder (1) and on the other on a face of the adjusting shim (4) facing away from the valve piston (3), wherein the valve holder (1) is cup-shaped and has at least two subregions (1a, 1b), each with a different inside diameter (D1, D2), and the subregions (1a, 1b) merge with one another in steplike fashion, and wherein the steplike transition of the valve holder (1) formed by the different diameter regions (diameters D1, D2) is seated on the valve insert (2), wherein the valve insert (2) has a cup-shaped recess (2a), in which the adjusting shim (4) is slidably supported.